A METHOD AND APPARATUS FOR PRODUCING A HIGH RESOLUTION IMAGE

ABSTRACT

A method and apparatus serves for converting a low resolution first image to a high resolution second image. The apparatus is includes a light sensor for receiving incident light radiated from a scene. The light sensor has a number of cells, each defining a predetermined area, and is arranged for cyclically scanning the low resolution first image a number of times while at least one driver moves the light sensor an identical number of times in at least one direction. For each step the light sensor is moved a distance corresponding to the extent of the area covered by the cell in the direction of movement while the total distance covered corresponds to the extent of the cell in the movement direction. Thereby a number of subareas are defined. A computer serves to establish a representation of the high resolution second image by calculating the representation of the received incident light from the scene at each subarea by software program. Thereby, a higher resolution and a better image quality is obtained than previously known.